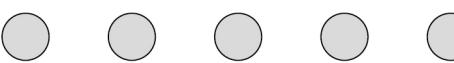


1

A group of students were asked to name their favourite burger.

The pictogram shows the results.

The key is missing.

Chicken	
Beef	
Turkey	
Veggie	

40 students said Veggie.

How many students said Chicken?

[3 marks]

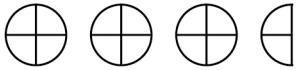
$$40 \div 5 = 8 \text{ (1)}$$

$$8 \times 3.5 = 28 \text{ (1)}$$

Answer 28 (1)

2 Rashid counted the pieces of homework he had done in three subjects.
He draws a pictogram to show the results.

Key:  represents 4 pieces of homework

Maths	
English	
Geography	

2 (a) Rashid had done 5 pieces of Geography homework.

Show this information on the pictogram.

$$5 \div 4 = 1.25$$

[1 mark]

2 (b) Rashid spent 30 minutes on each piece of homework.

Work out the **total** time he spent on homework for these three subjects.

Give your answer in hours and minutes.

[3 marks]

$$\text{Total pieces of homework} = 9.75 \times 4$$

$$= 39 \quad \textcircled{1}$$

$$\text{Total time spent (in minutes)} = 39 \times 30 \text{ minutes}$$

$$= 1170 \text{ minutes} \quad \textcircled{1}$$

$$\text{Total time spent (in hours)} = 1170 \div 60 = 19.5 \text{ hours}$$

Answer 19 hours 30 minutes (1)

3

Misha recorded the main type of weather each day for **55 days**.

The pictogram shows the results for rain, snow and cloud.

Key:  = 4 days

Rain					
Snow					
Cloud					
Sun					
Fog					

Sun was recorded on 1 **more** day than fog.

Complete the pictogram for the 55 days.



[4 marks]

$$\text{Rain: } 4 \times 4 = 16, \text{ Snow: } 2.5 \times 4 = 10, \text{ Cloud: } 4.5 \times 4 = 18$$

$$\text{Sun and fog: } 55 - 16 - 10 - 18 = 11 \text{ days } \text{ $$

$$\text{Sun: } 6 \text{ days, Fog: } 5 \text{ days}$$



4 Three groups of people, A, B and C, have taken driving tests.

4 (a) Here is information about the number of tests taken by the people in A.

Group A

Key:  represents 4 people

One test	 12
Two tests	 16
Three tests	 6

Here is information about the number of tests taken by the people in B.

One test Half the number in A who have taken one test.

Two tests 4 fewer than the number in A who have taken two tests.

Three tests 10 more than the number in A who have taken three tests.

Complete this pictogram for the people in B.

[3 marks]

Group B

Key:  represents 4 people

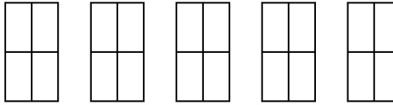
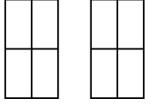
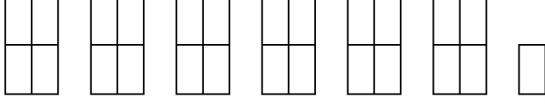
One test		$\frac{12}{2} = 6$
Two tests		$16 - 4 = 12$
Three tests		$6 + 10 = 16$

5

A company sells three types of bottle.

The pictogram shows how many bottles they sold one week.

Key:  represents 20 bottles

Plastic		$20 \times 5 = 100$
Glass		$20 \times 2 = 40$
Steel		$(20 \times 6) + 5$ = 120 + 5 = 125

5 (a) The company sold **more** plastic bottles than glass bottles that week.

How many more?

[2 marks]

$$100 - 40 = 60$$

Answer

60

✓
①

5 (b) The company sells each **steel** bottle for £17.50

Work out the total amount of money made from selling **steel** bottles that week.

[3 marks]

$$\text{Total bottle sold} = (20 \times 6) + 5$$

$$= 120 + 5 = 125$$

✓
①

$$= 125 \times 17.50$$

✓
①

$$= 2187.50$$

✓
①

Answer £ 2187.50